



DEFENSE AND SECURITY SOLUTIONS

# DEPLOYED WORLDWIDE

Since 1967, Mustang Survival has been an industry leader in researching, designing and producing protective garments for the most demanding users working in the most hazardous environments. We are committed to continuously driving innovation throughout all of our product lines. Our unique combination of world class research and development, highly qualified product engineers and designers, and state-of-the-art manufacturing facilities ensures we deliver the best product available to all of our customers.

Our products are trusted worldwide by special operations teams, fighter pilots, coast guards, law enforcement professionals and even Space Shuttle astronauts. From the cockpit to the carrier deck, from the fast boat to the submarine, we have your essential survival requirements covered.

## MUSTANG SURVIVAL

Your Complete Solutions Provider

### DEPLOYED OPERATIONS

UNITS DEPLOYED: US Army Aviation

PRODUCTS USED: MSF300 (p. 9)

### SEARCH & RESCUE

UNITS DEPLOYED: USAF PJs, RCAF

PRODUCTS USED: MSD660 AF (p. 7)  
MSF751 (p. 9)

### TACTICAL OPERATIONS

UNITS DEPLOYED: USN

PRODUCTS USED: MSD575 - replaced by MSD674 TO (p. 5)

### BOAT FORCES OPERATIONS

UNITS DEPLOYED: USCG

PRODUCTS USED: Boat Forces Dry Suits (p. 6)

### NASA SPACE SHUTTLE PROGRAM

UNITS DEPLOYED: NASA

PRODUCTS USED: Astronaut Life Support Equipment

### DEPLOYABLE SPECIALIZED FORCES

UNITS DEPLOYED: USCG

PRODUCTS USED: MD1250 (p. 13)

### OPERATION UNIFIED RESPONSE

UNITS DEPLOYED: USN, USMC, USCG, USAF

PRODUCTS USED: PFDs (p. 13-16)

### OPERATION ODYSSEY DAWN OPERATION MOBILE

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PRODUCTS USED: Aviation Dry Suits (p. 9)  
LPSVs (p. 15)  
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### FLIGHT DECK OPERATIONS

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PRODUCTS USED: MD3040 (p. 16)

### OPERATION ENDURING FREEDOM

UNITS DEPLOYED: US Army Aviation, USAF  
PRODUCTS USED: MD1150 (p. 15)  
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### OPERATION DESERT STORM & IRAQ NO FLY ZONES

UNITS DEPLOYED: USN, USMC, USAF, USCG  
PRODUCTS USED: PFDs (p. 13-16)  
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### OPERATION IRAQI FREEDOM

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PRODUCTS USED: MD3196 SO (p. 13)

### COMBINED TASK FORCE 151 COUNTER-PIRACY OPERATIONS

UNITS DEPLOYED: USN, USMC, USCG  
PRODUCTS USED: PFDs (p. 13-16)

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# EVOLUTION OF A RESCUE SWIMMER DRY SUIT

## 20 YEARS OF CO-DEVELOPMENT WITH THE U.S. NAVY

At Mustang Survival, our job is to protect and enable the protector. We design high performance and dependable dry suits for all applications including boat crews, tactical teams and aviators. We have worked closely with the U.S. Navy to supply immersion protection for some of their toughest men and women, including U.S. Navy Rescue Swimmers. For the last 20 years, we have been dedicated to providing them the best dry suits possible.

### 1993 – MSD550

Mustang Survival wins a contract to provide a universal fit, rescue swimmer dry suit (MSD550) designed by the U.S. Navy.

### 1995 – MSD560

Mustang Survival begins to work with the U.S. Navy SAR Model Manager's office to redesign the MSD550 from the ground up. The resulting design (MSD560) remains the standard U.S. Navy universal fit dry suit for surface rescue.

### 1998 – MSD565

NAVAIR initiates a project to develop a GORE-TEX® dry suit for Aviation Rescue Swimmers and Combat SAR teams. Mustang works with the NAVAIR Clothing and Textile team to develop the MSD565, the first waterproof breathable rescue swimmer dry suit, which was also offered in a range of sizes to improve mobility and comfort.

### 2009 – SENTINEL™ SERIES – MSD660 AND MSD660 AF

Mustang Survival begins an independent research project that leads to the Sentinel™ Series line of dry suits and the launch of the MSD660 and MSD660 AF. Based on more than two years of extensive anthropometric studies, technological improvements, and user evaluations, the Sentinel Series addresses two critical and unserved needs in the current market of dry suit offerings:

- Field repair capabilities: Rapid Repair Technology™ provides the ability to replace neck and wrist seals and to repair small leaks or tears quickly and easily and with only basic tools.
- Improved Sizing: Mobility Based Sizing™ reduces bulk and increases range of motion. 24 individual sizes are available.

### 2012

The Sentinel Series expands to include:

- MSD624 – Water Rescue Dry Suit (p. 8)
- MSD63x – Lightweight Boat Crew Dry Suit (p. 6)
- MSD64x – Heavy Duty 2 Layer Boat Crew Dry Suit (p. 6)
- MSD660 – Fire Retardant Aviation Rescue Swimmer Dry Suit (p. 7)
- MSD660 AF – Non Fire Retardant Pararescue Dry Suit (p. 7)
- MSD674 TO – Tactical Operations Dry Suit (p. 5)
- MSL60x – Dry Suit Liner (p. 10)

The Sentinel Series dry suits are built on a knowledge base strengthened by a 20 year relationship with NAVAIR, SAR Model Managers Office, Naval Special Warfare as well as a 31 year relationship with the USCG.

We design, test and manufacture products as though our lives depend on it, because we know yours do.



# DRY SUITS – TACTICAL

## SENTINEL™ SERIES TACTICAL OPERATIONS DRY SUIT

**GSA** MSD674 TO

**NEW!**

Our Sentinel™ Series tactical operations dry suit is a waterproof & breathable constant wear dry suit ideal for users engaged in potentially hostile military and law enforcement maritime operations which require immersed hypothermia protection that won't hinder the primary mission objectives. The MSD674 TO was specifically designed with feedback from Naval Special Warfare, select US federal tactical units and state & local police SWAT teams. The result is a durable, lighter and better fitting dry suit with features found on industry leading combat and tactical uniforms.

SIZE	Mobility Based Sizing™ – Visit <a href="http://www.mustangsurvival.com/mobility">www.mustangsurvival.com/mobility</a>
COLORS	<ul style="list-style-type: none"> <li>■ Black</li> <li>■ Sepia (available Fall 2013)</li> </ul>
CUSTOMIZATION	Agency markings, alternate wrist and neck seals, and other colors available by special order
CLO	Immersed Clo 0.66 when worn with Mustang Survival Dry Suit Liner MSL600 and silk weight thermal underwear (see p. 24)
AUTHORIZATION	USN CRF TOA (Pending)

Neck seal protective collar for improved abrasion protection

Rapid Repair patented adjustable neck seal allows the user to easily vent the suit reducing the thermal burden, but quickly close the neck seal with one hand to make it watertight

Military grade BD6.5 GORE-TEX® waterproof and breathable dry suit fabric

Low profile, lightweight, and corrosion resistant TIZIP® waterproof zippers are easier to operate and require less maintenance than traditional dry zippers

2 expanding arm pockets with an internal lanyard attachment point, external pen/eye pockets and covered in Velcro® for attaching ID patches

New two-point attachment removable suspender system for improved fit, mobility and comfort over traditional suspender systems

1050 Denier ballistic nylon\* reinforced flexible molded foam elbow pads

Velcro® waist adjustment with loops for removable duty belt keepers to help hold gun belts & harnesses in place

1050 Denier ballistic nylon\* reinforced wrist overcuffs with Velcro® closures for adjustability

1050 Denier ballistic nylon\* reinforced seat

2 expanding thigh cargo pockets with an internal lanyard attachment point, magazine pocket and light/tool pocket

1050 Denier ballistic nylon\* reinforced flexible molded foam knee pads

Back knee tabs to secure knee pads in place

2 expanding calf cargo pockets with Velcro® closures and an internal lanyard attachment point

1050 Denier ballistic nylon\* reinforced overcuffs with Velcro® closures for adjustability

Integrated GORE-TEX® dry socks

\*All reinforced areas incorporate drainage to preclude entrapped water.

# DRY SUITS – BOAT CREW

## SENTINEL™ SERIES BOAT CREW DRY SUITS

**GSA** MSD634 / MSD635 (with drop-seat)

USCG versions (v22) available via IDIQ HSDG23-11-D-MNQ161

The Sentinel™ Series Boat Crew Dry Suits are waterproof breathable constant wear dry suits designed for search and rescue (SAR) and law enforcement operations. Constructed with military grade GORE-TEX® BD6.5 waterproof breathable fabric and with 1050 Denier ballistic nylon reinforcement in high wear areas, these dry suits are ideal for crew members who don't intend to enter the water but require hypothermia protection in case of accidental immersion.

SIZE	Mobility Based Sizing™ – Visit <a href="http://www.mustangsurvival.com/mobility">www.mustangsurvival.com/mobility</a>
COLORS	Orange/Black
CUSTOMIZATION	Agency markings and other colors available by special order
CLO	Immersed Clo 0.66 when worn with Mustang Survival Dry Suit liner MSL600 and silk weight thermal underwear (see p. 24)
AUTHORIZATION	USCG Boat Forces Authorized for Use (v22)

**Multi-position fleece lined storm collar for improved protection and comfort**

**Rapid Repair patented adjustable neck seal allows the user to easily vent the suit reducing the thermal burden, but quickly close the neck seal with one hand to make it watertight**

**Military grade BD6.5 GORE-TEX® waterproof and breathable dry suit fabric**

**2 arm pockets with pen keepers**

**62 square inches of SOLAS retro-reflective tape for increased visibility**

**CORDURA® reinforced elbows**

**Large CORDURA® reinforced over cuffs with Velcro® closures for adjustability**

**1050 Denier ballistic nylon\* reinforced seat**

**1050 Denier ballistic nylon\* reinforced neoprene knee pads help prevent injury**

**1 calf pocket with neoprene survival hood attachment (MA7348 Survival Hood sold separately)**

**Large CORDURA® reinforced leg over cuffs have Velcro® closures for adjustability**

**Integrated GORE-TEX® Dry Socks**

**Low profile, lightweight, and corrosion resistant TIZIP® waterproof zippers are easier to operate and require less maintenance than traditional dry zippers**

**New two-point attachment removable suspender system for improved fit, mobility and comfort over traditional suspender systems**

**Duty belt keepers at the waist**

**Relief openings for either male or female.**

**2 thigh cargo pockets**

**HEAVY DUTY BOAT CREW DRY SUIT**  
**MSD644/MSD645**  
**(with drop-seat)**

Our boat crew suit is also available in a heavy duty two layer suit with a GORE-TEX® dry suit layer and CORDURA® protective outer layer. Only 8 ounces heavier than our standard suit, this heavy duty dry suit offers excellent versatility and durability.

\*All reinforced areas incorporate drainage to preclude entrapped water.

# DRY SUITS – AVIATION

## SENTINEL™ SERIES AVIATION RESCUE SWIMMER AND PARARESCUE DRY SUITS

**GSA** MSD660 – Aviation Rescue Swimmer Dry Suit (Fire Retardant)  
MSD660 AF – Pararescue Dry Suit (Non Fire Retardant)

The MSD660 is a specialized dry suit designed for US Navy Aviation Rescue Swimmers and adopted by USAF Pararescue Jumpers. The suit is designed to aid in hypothermia protection during surface operations in or on the water when worn with insulating undergarments. The MSD660 is easily donned/doffed by the wearer using a diagonal watertight entry zipper across the torso and wearer's left shoulder and includes a relief zipper.

SIZE	Mobility Based Sizing™ – Visit <a href="http://www.mustangsurvival.com/mobility">www.mustangsurvival.com/mobility</a>
COLORS	Orange/Black
CUSTOMIZATION	Agency markings, alternate wrist and neck seals, and other colors available by special order
CLO	Immersed Clo 0.66 when worn with MSL600 and next to skin silk weight thermal underwear (see p. 24)
AUTHORIZATION	MSD660 - NAVAIR Approval (Pending)

Nomex® fleece cover over neck seal to protect the user from flash fire damage to the neck seal\*

2 x 4 inch Velcro® patch located on right chest for attachment of name tag

SOLAS retro reflective tape on the upper shoulders and arms for increased visibility

Right arm air exhaust valve to vent excess trapped air out of the suit.

Rapid Repair Technology™ enables users to self-replace neck and wrist seals and repair small leaks in an hour or less

Left and right thigh elasticized expanding cargo pockets with drainage mesh and Velcro® secured top cover entry, provide maximum storage capacity and exhibit a low-profile function when empty

Low profile, lightweight, and corrosion resistant TIZIP® waterproof zippers are easier to operate and require less maintenance than traditional dry zippers

Waterproof, breathable tri-laminate Nomex® / GORE-TEX® shell fabric (MIL-DTL-32149). This fabric combines waterproofing, breathability and fire retardant characteristics in a single flexible layer

Left arm low profile zippered shoulder pocket with dual pen holders

Waterproof entry and relief zippers are covered to provide flame retardancy and help to protect the zipper teeth from damage or contamination

New two-point attachment removable suspender system for improved fit, mobility and comfort over traditional suspender systems

Low profile adjustable wrist over cuffs

Neoprene cummerbund with waist adjustment tabs allows snug waist adjustability without impeding mobility.

Reinforced seat/thigh area\*

Reinforced molded foam knee and elbow pads that provide increased knee and elbow protection and wear resistance\*

Integrated GORE-TEX® Dry Socks

\*All reinforced areas incorporate drainage to preclude entrapped water.

# DRY SUITS - WATER RESCUE

## SENTINEL™ SERIES – WATER RESCUE DRY SUIT

**GSA** MSD624

**NEW!**

The MSD624 is a waterproof & breathable constant wear water rescue dry suit ideal for flood, swift water & ice rescue. By reducing bulk and increasing range of motion, the Sentinel™ Water Rescue Dry Suit makes an excellent dry suit for the most demanding water rescue technicians.

SIZE	Mobility Based Sizing™ – Visit <a href="http://www.mustangsurvival.com/mobility">www.mustangsurvival.com/mobility</a>
COLORS	■ Yellow/Black
CUSTOMIZATION	Agency markings, alternate wrist and neck seals, and other colors available by special order
CLO	Immersed Clo 0.66 when worn with Mustang Survival Dry Suit Liner MSL600 and silk weight thermal underwear (see p. 24)
AUTHORIZATION	FEMA USAR Equipment List

Cache version available in sizes M-XXL (MSD576)

Cache version available in sizes M-XXL (MSD576)

Neck seal protective collar for improved abrasion protection

GORE-TEX® waterproof and breathable dry suit fabric

1050 Denier ballistic nylon\* reinforced flexible molded foam elbow pads

YKK metal entry zipper

Adjustable waist band

Comfort fit relief opening

Rapid Repair Technology™ enables users to field replace wrist seals in an hour or less (trim-to-fit neoprene wrist seal standard)

1050 Denier ballistic nylon\* reinforced seat

2 thigh cargo pockets

1050 Denier ballistic nylon reinforced overcuffs with side zipper for donning over boots and Velcro® closures for adjustability

Integrated GORE-TEX® dry socks

Shoulder pocket with pen holder

Rapid Repair patented adjustable neck seal allows the user to easily vent the suit reducing the thermal burden, but quickly close the neck seal with one hand to make it watertight

New two-point attachment removable suspender system for improved fit, mobility and comfort over traditional suspender systems

SOLAS retro-reflective tape on the arms for increased visibility

1050 Denier ballistic nylon reinforced overcuffs with Velcro® closures for adjustability

Adjustable tailbone protector

1050 Denier ballistic nylon\* reinforced flexible molded foam knee pads

\*All reinforced areas incorporate drainage to preclude entrapped water.



# DRY SUITS - AVIATION



## TACTICAL AVIATION DRY SUIT SYSTEM

**GSA** MSF300

The MSF300 is designed for over-water helicopter operations or any other tactical operations where the environment dictates the need for increased hypothermia protection. The MSF300 two-layer modular design minimizes overall weight and bulk, and allows quick donning and doffing through an innovative entry system, and provides a wide array of sizes. When integrated with the Outer Shell, the MSF300 suit system provides a stirred (calm) water Clo value of 0.58.

### FEATURES

- Patented adjustable neck seal
- Trim-to-fit neoprene wrist seals
- Integrated one-size sock
- Includes Survival Mitts, Neoprene Hood, and Stowage Bag – see page 10

SIZE	XS–XXXL
COLORS	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #8ebf8e; margin-right: 5px;"></div> Sage Green (shown)             <div style="width: 15px; height: 15px; background-color: #ff8c00; margin-left: 10px; margin-right: 5px;"></div> Orange           </div>
CLO	Immersed Clo 0.58 (see p. 24)
AUTHORIZATION	US Army (select units), FBI THU



## CONSTANT WEAR AVIATION DRY SUIT

MSF751

Mustang's MSF751 Constant Wear Aviation Dry Suit provides protection from hypothermia (when worn in conjunction with an insulating thermal undergarment) and is intended for use by aircrews engaged in over-water operations. The moisture vapor permeability characteristics of the suit reduce heat stress, providing greater operational efficiency for the wearer.

### FEATURES

- One-piece design is fitted with an adjustable latex neck seal and neoprene wrist seals
- Waterproof moisture vapor permeable stretch socks are provided with the suit (sock size must be stated at time of order)
- A full set of pocketry eliminates the need for a conventional flight suit to be worn over the MSF751
- Self-donning is facilitated by a unique yoke-style waterproof entry zipper
- Can be ordered with a Dry Suit Liner (MSL751)

SIZE	See size guide online at <a href="http://www.mustangsurvival.com">www.mustangsurvival.com</a>
COLORS	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #8ebf8e; margin-right: 5px;"></div> Sage Green (shown)             <div style="width: 15px; height: 15px; background-color: #ff8c00; margin-left: 10px; margin-right: 5px;"></div> Orange           </div>
CLO	Immersed Clo 0.77 when worn with a MSL751 liner (see p. 24)
AUTHORIZATION	RCAF



## QUICK DONNING IMMERSION COVERALL

MSD720

Mustang's MSD720 "Quick-Don" is an excellent blend of ergonomic design and emergency hazards protection. It is conveniently stored, easily and quickly donned and very effective in protecting the user in the event of cold water immersion.

### FEATURES

- Insulation is provided by a closed cell expanded neoprene, laminated to a stretch nylon facing on front and back
- Nylon facing is flame retardant, buoyant, waterproof, and resistant to petroleum, oils, and lubricants
- Nylon facing resists abrasion and puncture, and allows for easier donning
- 2mm neoprene provides 14 lb effective buoyancy

SIZE	Adult Universal
COLORS	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #ff4500; margin-right: 5px;"></div> Red (orange storage case)           </div>
CLO	Immersed Clo 0.62 (see p. 24)
AUTHORIZATION	RCAF

# DRY SUITS - ACCESSORIES



## SENTINEL™ SERIES – DRY SUIT LINER

**GSA** MSL600 GS / MSL601 GS (with drop seat)

This dry suit liner provides extra insulation protection when in cold water and also helps reduce the thermal burden out of the water.

### FEATURES

- A combination of Polartec® Classic 200 fleece and Polartec® Power Stretch 4-way stretch fleece with a durable, smooth outer layer that is abrasion resistant, and a soft inner layer that pulls moisture away from the skin
- Less bulky fit as a result of stretch fleece integration in lower back, arms and legs
- Specifically designed to work with Sentinel Series Dry Suits and is compatible with any Mustang Survival dry suit
- Fitting straps at the thumbs and ankles
- Machine washable

SIZE	Mobility Based Sizing™ – Visit <a href="http://www.mustangsurvival.com/mobility">www.mustangsurvival.com/mobility</a>
COLORS	■ Black
CLO	Provides up to 0.66 immersed Clo when worn with a Mustang Survival Dry Suit and silk-weight next to skin thermal underwear (see p. 24)
AUTHORIZATION	USCG Boat Forces Authorized for Use, NAVAIR-Pending



## CLOSED CELL NEOPRENE HOOD

**GSA** MA7348

Supplied with the MAC10, MAC100, MAC300, and MSF300.

### FEATURES

- Provides head and neck wetsuit-style insulation
- Includes lanyard to tether hood to suit and 2"x2" Velcro loop to attach strobe or PLB
- Adjustable and stowable face shield

SIZE	Universal
COLORS	■ Red
AUTHORIZATION	USCG Boat Forces Authorized for Use



## INFLATABLE SURVIVAL MITTS

**GSA** MA7149

Supplied with the MAC10, MAC100, MAC300, and MSF300.

### FEATURES

- Includes lanyard to tether mitts to suit

SIZE	Universal
COLORS	■ Orange
CLO	Immersed Clo 0.500



## CARRYING CASE

**GSA** MA7105

Durable water resistant nylon bag equipped with handles and a zippered closure.

### FEATURES

- Fits any Mustang Survival dry suit

SIZE	Universal
COLORS	■ Black ■ Orange



## DRY SUIT TEST KIT

**GSA** MA8836

Enables qualified life-support technicians to leak-test some Mustang Survival dry suit models as part of the periodic inspection cycle.

### FEATURES

- Includes instruction manual, neck seal jig, wrist clamps, air hose, regulator, and pressure gauge packaged in a molded plastic carrying case.

SIZE	Universal
COLORS	■ Black

# DRY SUITS - REPAIR



## RAPID REPAIR TECHNOLOGY™

SIMPLE DRY SUIT REPAIRS IN LESS THAN AN HOUR  
RE0001-RE0012

Small leaks and blown out seals with traditional dry suits means being out of service for weeks for repair or replacement. This can have a direct impact to a unit, as a crewmember without a dry suit results in a shorthanded crew. We recognize this is not an option.

Mustang Survival Sentinel™ Series dry suits are the only suits on the market with Rapid Repair Technology™. This innovative repair methodology enables users to replace wrist and neck seals and repair minor leaks on site and with basic tools (RE0001). Within less than an hour, a damaged dry suit can be back in operation.

Rapid Repair Technology also allows users to interchange wrist and neck seal options. All Mustang Survival suits with Rapid Repair Technology come standard with neoprene wrist seals and a CCS™ adjustable neck seal. Latex wrist and neck seals and neoprene neck seals are optional.

Visit [www.mustangsurvival.com/rrt](http://www.mustangsurvival.com/rrt) for more information

## OUR INSPECTION AND MAINTENANCE PROGRAM

As a complete solutions provider and industry leader in professional, military and recreational lifesaving products, we have an established network of Mustang Survival Certified Inspection, Testing and Repair Facilities throughout the United States.

Inspecting and maintaining your products regularly is key to ensuring that your Mustang Survival equipment continues to provide the same high level of performance and reliability as it did when it left our factory.

Our Mustang Survival Certified Inspection, Testing and Repair Facilities offer inspection and repair teams trained by Mustang Survival to provide consistent, high quality service as if it's being repaired on our manufacturing floor.

Please contact Mustang Survival Customer Service for a certified repair partner in your area: 1-800-526-0532.

# FLOTATION PROTECTION

## DESIGNING TACTICAL INFLATABLE PFDS

When designing tactical inflatable PFDs, there are a number of constraints that go above and beyond those of typical inflatables. Tactical inflatable PFDs need to be compatible with a variety of body armor and tactical vests as well as having an option to stand alone. The weight of the equipment also dictates that the PFD be high buoyancy (35 lbs) and be self-righting. And finally, the PFD needs to be compact enough not to interfere with the tools and equipment also being stored on the vest.

Our Compact Tactical Life Preservers (facing page) were originally designed for the U.S. Army and entered service in the early 2000s. The last 13 years have seen continuous improvements and updates with ongoing feedback from the US Border Patrol, Naval Expeditionary Combat Command units, and FBI SWAT Operations Unit.



### HYDROSTATIC INFLATOR TECHNOLOGY (HIT™)

Exclusively available from Mustang Survival in North America, Hydrostatic Inflation Technology (HIT) has been used for over 10 years by professional and recreational European users. Inflatable PFDs with HIT will only inflate if submerged in 4 inches or more of water and will not prematurely inflate due to rain, spray or humidity.

#### HOW HIT WORKS

Hydrostatic pressure is applied to objects submerged in water. The hydrostatic inflator needs only to be submerged 4 inches (10 cm) for the hydrostatic pressure to open a pressure valve releasing a firing mechanism, automatically inflating the PFD.

#### HIT ADVANTAGES

- Low maintenance – no inflator maintenance required for five years from date of manufacture, unless fired.\*
- Reliable inflation – inflates only under hydrostatic pressure or by pulling the activation cord and will not inflate due to rain, humidity or water contact
- Easy to see safety inspection window – easily view the inflator replacement date and inflator status through the safety inspection window – green indicates ready for use

\*An annual inspection of your PFD is recommended. Simply inflate your PFD manually using the oral inflation tube and leave inflated for 24 hours and inspect for leakage or damage.



# INFLATABLES - TACTICAL



## COMPACT TACTICAL LIFE PRESERVER FOR LAW ENFORCEMENT



MD3196 / MD3196 SO - Auto Hydrostatic  
MD3091 / MD3091 SO - Halkey-Roberts 6F Manual Inflator

The MD3196 is a compact life preserver that has been designed specifically for easy integration with MOLLE (Modular Lightweight Load-carrying Equipment) body armor and tactical vests that use webbing. This low-profile design provides body armor wearers flotation with minimal bulk or interference.

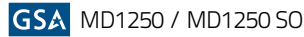
### FEATURES

- Hydrostatic inflator with manual backup (MD3196 / MD3196 SO)
- SecureZIP™ closure withstands rigorous activity and is easy to repack
- A three point attachment system provides quick integration to MOLLE style vests
- Lightweight, comfortable and compact
- Can be converted to manual-only use with MA7219, Manual Conversion Cap (p. 17)

SIZE	Adult Universal
COLORS	<ul style="list-style-type: none"> <li>■ Black</li> <li>■ Tan MD3196 / MD3196 SO</li> </ul>
RE-ARM KIT	Auto Hydrostatic: MA7214 10 Manual: MA7170
AUTHORIZATION	USN CRF & EOD TOA, FBI SOU, CBP OAM Marine Ops & OBP Riverine, US Army TACOM



## TACTICAL INFLATABLE SIDE POUCH PFD AUTO HYDROSTATIC



The low profile MD1250 provides flotation capability with minimum bulk or interference using separate independently operated left and right side pouches.

### FEATURES

- Can be worn on a standard or padded LE belt or attach directly to Pouch Attachment Ladder System (PALS) webbing on Modular Lightweight Load-carrying Equipment (MOLLE) vests
- Sold as a pair (right and left units). Each unit provides 35 lbs of buoyancy for a combined 70 lbs of buoyancy
- Includes Manual Conversion Cap, MA7219, for each side (p. 17)

SIZE	Adult Universal
COLORS	<ul style="list-style-type: none"> <li>■ Black</li> <li>■ Tan (shown)</li> </ul>
RE-ARM KIT	Automatic Re-Arm Kit: MA7214 10 (x2); Manual Re-Arm Kit MA7224 (includes inflator and body); Manual Refresh Kit: MA7225 (includes cylinder with no body)
AUTHORIZATION	USCG DSF UAL, NAVAIR (tactical passengers only), CBP OAM Marine Ops (Pending), FBI SOU



Inflated  
(MD1250 SO)

# INFLATABLES - MARINE PATROL & SAR



## HIT™ INFLATABLE PFD AUTO HYDROSTATIC

**GSA** MD3183 GS/ MD3183 22 / MD3183 LE (back ID panel) / MD3183 T3

This PFD provides excellent safety, is designed for use in severe weather, and requires minimal maintenance.

### FEATURES

- Neoprene Comfort Collar™
- Hydrostatic inflator with manual backup
- SecureZip™ closure withstands rigorous activity and is easy to repack
- Heavy-duty coated nylon for increased durability
- Lightweight, comfortable and compact

SIZE	Adult Universal
COLORS	<ul style="list-style-type: none"> <li>■ Black/Carbon (shown)</li> <li>■ ANSI Yellow-Green/Black (MD3183 T3)</li> <li>■ Navy/Black (MD3183 LE)</li> <li>■ Olive/Black (MD3183 LE)</li> <li>■ Orange/Black (MD3183, MD3183 22)</li> <li>■ Red/Black</li> <li>■ Tan/Black (MD3183)</li> </ul>
APPROVAL	USCG Type II (vGS, LE & T3)
RE-ARM KIT	MA7214 (v22 uses MA7214 22)
AUTHORIZATION	USCG Office of Boat Forces Authorization For Use (v22), CBP OAM & OBP (vLE), USACE, USGS (vT3)



## HIT™ HEAVY ENFORCEMENT INFLATABLE PFD HYDROSTATIC INFLATOR TECHNOLOGY

MD3155 HE (auto)

Available exclusively from Mustang Survival, the MD3155 HE is specifically designed for law enforcement professionals facing hazardous conditions while on the job.

### FEATURES

- Includes CO<sub>2</sub> Ballistic Cylinder Containment Pouch
- Beaded inflation handle reduces unintentional inflations
- Secondary inflation bladder for back-up flotation
- Damage-resistant inflator cover reduces wear and protects inflator cap
- Zippered pocket
- Durable and abrasion resistant exterior
- Custom artwork available on front
- This product is available to defense and security users only

SIZE	Adult Universal
COLORS	■ Black
AUTHORIZATION	RCMP
RE-ARM KIT	MA3155



## HIT™ INFLATABLE WORK VEST AUTO-HYDROSTATIC

**GSA** MD3188 GS

The only inflatable work vest on the market. Pioneering the standards and available exclusively from Mustang Survival, the Inflatable Work Vest is built with exclusive technology for serious users.

### FEATURES

- First – and ONLY – approved inflatable work vest on the market
- Approved for use on inspected and uninspected vessels of any size
- 35 lb buoyancy
- Ideal for constant wear situations, hot, humid conditions and high-mobility requirements
- Durable and grease resistant

SIZE	Adult Universal
COLORS	■ Orange
APPROVAL	USCG Type V Work Vest with Type II Performance
RE-ARM KIT	MA7214

# INFLATABLES - AVIATION

## LPU-10/P LIFE PRESERVER, UNDERARM, COMPLETE


 MD1150 NV

The MD1150 NV (LPU-10/P) is an underarm life preserver assembly worn with an integrated body harness for use during flights over water or near water obstacles.



### FEATURES

- Manufactured and tested in accordance with MIL-L-38484
- Adjustable harness with underarm inflation bladders
- Each bladder (neoprene coated flotation cell) is encased within a protective outer shell
- Inflate by activating CO<sub>2</sub> cartridge or manual oral inflation
- Compatible with various parachute harness assemblies

SIZE	Universal Adult
COLORS	 Sage Green
AUTHORIZATION	USAF

## INTEGRATED LIFE PRESERVER/SURVIVAL VESTS (LPSV)



Mustang Survival's integrated Life Preserver / Survival Vests provide aircrew with flotation protection along with the convenience of stowage for emergency survival equipment. Our full line of LPSV's are manufactured with high quality materials for durability and reliability.



### FEATURES

- All Mustang LPSVs include a life preserver comprised of two independent chambers, separated by an internal membrane, with single-point inflation and an oral inflation back-up system
- Basic LPSVs include integrated harness lifting straps, signal whistle, buddy tether line and multiple external and internal pockets as standard features
- Advanced LPSVs vary per style pending requirement, from high speed ejection seat models with 600 KEAS windblast protection, to rotary or fixed wing models with a removable breathing device pocket, radio/beacon pocket, inflation cell with SOLAS reflective tape, or subdued bladder color

For more information, please visit [www.mustangsurvival.com](http://www.mustangsurvival.com)



# INFLATABLES - TLSP

## TAILORED LOGISTICS SUPPORT PROGRAM (TLSP)

Mustang Survival is proud to offer our products through Defense Supply Center Philadelphia's Tailored Logistics Support Program (TLSP) for Special Operational Equipment. Learn more about the program at [www.troopssupport.dla/mil/CE/specops](http://www.troopssupport.dla/mil/CE/specops)



### US NAVY MK-1 LIFE PRESERVER

 MD3040

#### FEATURES

- Flame-resistant, water repellent, breathable fabric
- Available in range of colors, denoting wearer's onboard duties as per the U.S. Navy's identification requirements
- 3M Scotchlite™ reflective tape on shoulders
- Includes dye marker, Firefly 3 strobe light, and whistle (accommodates Man Overboard Indicator (MOBI) device – not included)
- Supplied with a 24g CO<sub>2</sub> cylinder  
Note: Inflation device not supplied

SIZE	S-XXL
COLORS	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; margin-right: 5px;"></span> Blue (shown)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: brown; margin-right: 5px;"></span> Brown</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; margin-right: 5px;"></span> Green</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; margin-right: 5px;"></span> Purple</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid white; margin-right: 5px;"></span> White</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; margin-right: 5px;"></span> Yellow</li> </ul>
AUTHORIZATION	TLSP, NAVSEA

#### REPLACEMENT COMPONENTS AVAILABLE

Cover: MA3041  
Bladder/Cell: MA3040  
Light: MA3042  
Whistle: SA3041



### INFLATABLE UNDERWATER DEMOLITION TEAM LIFE PRESERVER

 MD1122

#### FEATURES

- Intended for use as emergency equipment by underwater demolition teams
- Provides a minimum 19 lb buoyancy when inflated
- Meets MIL-L-16383 as modified by ANU 1.1 LIFE PRESERVERS, CAT 1, 1.1.11
- Supplied with magnetic inflator  
Note: CO<sub>2</sub> cylinder not included

SIZE	Universal Adult
COLORS	<span style="display: inline-block; width: 10px; height: 10px; background-color: black; margin-right: 5px;"></span> Charcoal
AUTHORIZATION	TLSP, NAVSEA

### US NAVY ABANDON SHIP POUCH-TYPE LIFE PRESERVER

 MD3025 NV

#### FEATURES

- Inflates by pulling activation cord
- Provides 35 lb buoyancy when inflated and fully donned (correctly pulled over the head)
- Includes strobe light, whistle, and buddy line

SIZE	Universal Adult
COLORS	<span style="display: inline-block; width: 10px; height: 10px; background-color: navy; margin-right: 5px;"></span> Navy
AUTHORIZATION	TLSP, NAVSEA





# INFLATABLES - ACCESSORIES



## STRAP ASSEMBLY

**GSA** MA3090

A chest belt/crotch strap assembly that provides an option for use as a standalone life preserver.

### FEATURES

- For use on the MD3091, MD3091 SO, MD3196 & MD3196 SO

SIZE	Universal
COLORS	■ Black



## MANUAL CONVERSION CAP

**GSA** MA7219

The Manual Conversion Kit is used to convert the HIT™ Inflator to manual inflation only.



## ACCESSORY POCKET

**GSA** MA6000

### FEATURES

- Attaches to all inflatable PFD waist belts
- Ergonomically designed stowage provides easy access to personal survival equipment
- All seams are finished with additional reinforcement and a 400 denier nylon outer shell

AUTHORIZATION	USCG Boat Forces
COLORS	■ Black ■ Orange



## OUR FOUNDATION

### THE EVOLUTION OF THE WORLD'S FIRST FLOTATION COAT

In 1967, Mustang Survival invented the flotation coat. At the time, we were designing a winter jacket and were testing out closed cell foam as an alternative thermal insulative material to down. The foam was warm, cost effective, and easy to work with. When we discovered it was the same foam as was used in life preservers, a lightbulb went on.

At the time, no one wanted to wear life preservers in constant wear scenarios. They were bulky, uncomfortable, and hindered movement. As a result, the number of preventable drownings was alarmingly high. The flotation coat was the first PFD that addressed the immediate issue at hand: getting people to wear flotation protection.

Throughout the seventies, design of the flotation coat was refined with additional styles, improved features, and a higher level of hypothermia protection. By 1980, Mustang coats and suits had become standard issue to the U.S. Navy, the U.S. Coast Guard, and the Canadian Navy.

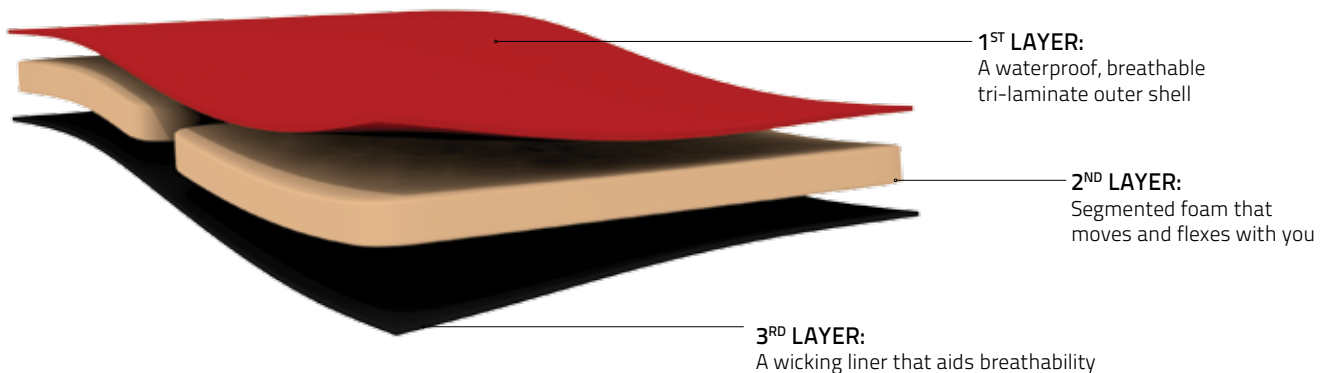
Now, over 30 years later, the original Flotation coat has continued to evolve. The Catalyst is Mustang Survival's current top-end offering in the flotation clothing market. Featuring M-Tech technology – a unique segmented foam design that moves and flexes with you, a high-quality tri-laminate outer shell with fully taped seams, and a soft moisture-wicking liner – the Catalyst is the most comfortable floatation coat, period. In addition, the Catalyst is the ONLY waterproof and breathable flotation garment available.

When the first Flotation Coat came off the manufacturing line in the late 60s, we would have no idea that for the next 47 years, our company and the people behind it would continue to drive innovation helping to shape many of the safety standards that keep military, professional, and recreational users safe today.



### M-TECH COMFORT SYSTEM™

The M-Tech Comfort System™ is a 3-layer, waterproof, breathable, wearable flotation system that keeps you dry, floats you when you need it and is so comfortable you'll want to wear it even when you're not on the water.



# FLOTATION CLOTHING



## DELUXE ANTI-EXPOSURE COVERALL & WORKSUIT

**GSA** MS2175 GS / MS2175 NV

Our most successful coverall for the most demanding working environments.

### FEATURES

- Neoprene wrist closures for weather protection
- Ergonomic insulated hood easily folds into collar and is designed to stay in place in all conditions
- Tug-Tite® closures at thighs & ankles
- SOLAS reflective tape

SIZE	XS-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ Black</li> <li>■ Orange (MS2175)</li> <li>■ Orange/Black (shown)</li> </ul>
APPROVAL	USCG Type V Worksuit USCG Type III PFD when worn
CLO	Immersed Clo 0.42 (see p. 24)
AUTHORIZATION	USCG Boat Forces Authorized for Use (v22), USN



## CLASSIC FLOTATION BOMBER JACKET

**GSA** MJ6214 G1 / MJ6214 NV / MJ6214 G3

Designed to deliver comfort, warmth, and durability during marine operations, the Classic Flotation Bomber Jacket's closed-cell foam insulation will provide flotation and in-water insulation to delay the onset of hypothermia in the event of water immersion.

### FEATURES

- Hypothermia and flotation protection
- Relaxed fit for mobility and comfort
- Neoprene cuffs
- Full-length storm flap
- Warm, fleece-lined front pockets
- 62 sq. in. SOLAS reflective tape on chest, sleeves & back (MJ6214 G1 only)
- 50 mph dynamic strength-tested construction
- Attachable hood can be purchased separately
- ANSI 107-2010 Class 2 compliance\* (MJ6214 G3 only)

\*ANSI fabrics are more UV sensitive, and the fabric's visibility can decrease after extended exposure to UV rays.

SIZE	S-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ ANSI Yellow-Green/Black (MJ6214 G3 only - shown)</li> <li>■ Navy Blue (shown)</li> <li>■ Orange</li> <li>■ Orange/Black (MJ6214 G1 only)</li> </ul> Red and olive available by special order
APPROVAL	USCG Type III
ACCESSORIES	Weatherproof Hood: MA7112 Insulated Hood: MA7136
AUTHORIZATION	USCG Boat Forces Authorized for Use (v22), USN



## CATALYST JACKET

MJ5244

We set out to make the Classic Flotation Jacket more comfortable, better looking and overall more wearable. The result? The Catalyst Jacket with the M-Tech Comfort System™.

### FEATURES

- M-Tech Comfort System™ provides unparalleled range of motion and mobility
- Waterproof, breathable, tri-laminate outer shell
- Protection from rain and spray without the clammy feeling of traditional flotation jackets
- Zippered chest pocket and front slash hand warmer pockets
- Underarm ventilation zippers
- Reflective accents for enhanced visibility
- Integrated hood with reflective trim
- ComfortCuff™ technology
- Mic holder on each shoulder
- Also available as a coat (MC5444)

SIZE	S-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ Black</li> <li>■ Navy/Black (shown)</li> <li>■ Olive/Black</li> <li>■ Orange with Black bottom</li> <li>■ Red/Black</li> </ul>
CLO	Immersed Clo 0.17 when worn with the Catalyst Pant (see p. 24)
APPROVAL	USCG Type III

# FLOTATION CLOTHING



## INTEGRITY™ BOMBER JACKET

**GSA** MJ6224 GS

A functional PFD ideal for industrial applications. SOLAS reflective tape on the shoulders offers visibility in dark or stormy conditions. Strength rated to 50mph.

### FEATURES

- Durable 210-Denier nylon and 420-Denier ripstop nylon construction
- Water-resistant Comfort Cuff™ can be tightened to prevent water from entering sleeve
- Two-way volume adjustable hood with single-hand tightening
- Hood can be removed or stowed in collar
- Under-arm zipper vents
- Water-resistant urethane coated zips

SIZE	S-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ Black/Carbon (shown)</li> <li>■ Orange/Carbon</li> <li>■ Red/Carbon</li> </ul>
APPROVAL	USCG Type III
CLO	Immersed Clo 0.185
AUTHORIZATION	CBP OAM Marine Ops & OBP Riverine



## CLASSIC BIB PANT

**GSA** MP4212

Designed to be worn with the Classic Flotation Bomber Jacket or the Classic Flotation Coat, Mustang Survival's MP4212 Classic Flotation Bib Pant provides foam insulation that will not only keep you warm during regular marine activities but will also increase your hypothermia protection in the event of cold water immersion.

### FEATURES

- Easily worn under Mustang Survival flotation jackets and coats
- Adjustable elasticized suspenders
- Leg zippers allow ease of entry and donning over boots
- Provides additional hypothermia protection and flotation support

SIZE	S-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ Black (shown)</li> <li>■ Navy</li> <li>■ Orange</li> </ul>



## INTEGRITY HX FLOTATION BIB PANT

**GSA** MP4225 GS

Designed to be worn with the Integrity™ Flotation Bomber Jacket or Coat, Mustang Survival's Integrity™ HX Flotation Bib Pant provides foam flotation that will not only keep you warm during your daily marine activities but will also increase your hypothermia protection in the event of cold water immersion.

### FEATURES

- HX weatherproof design
- Durable knee and seat reinforcements
- Polyurethane-coated nylon hem reinforcement
- Fleece-lined hand-warmer pockets
- Zippered stash pocket
- Adjustable suspenders for custom fit
- Zippered legs for easy donning over boots
- Provides additional flotation and hypothermia protection

SIZE	S-XXXL
COLORS	<ul style="list-style-type: none"> <li>■ Black/Carbon (shown)</li> <li>■ Orange/Carbon</li> <li>■ Red/Carbon</li> </ul>

# FOAM FLOTATION



## 4-ONE LIFE JACKET

MV8040

NEW!

Standard Type 1 life jacket for offshore vessels.

### FEATURES

- Reflective tape on front
- Inspected and tested to SOLAS in accordance with U.S. Coast Guard regulations, Transport Canada regulations, and M.E.D. regulations.
- Approved for use on all vessels by persons weighing more than 90 lbs (41kg)

SIZE	90 lbs+ (41kg+)
COLORS	Orange
APPROVAL	<ul style="list-style-type: none"> <li>▪ US Coast Guard Type I Lifejacket</li> <li>▪ US Coast Guard SOLAS</li> <li>▪ Marine Equipment Directive SOLAS</li> <li>▪ Transport Canada SOLAS</li> </ul>



## HIGH IMPACT SAR VEST

MV5600/MV5600 SO

### FEATURES

- Vest dynamic strength tested to 100 mph
- Two large front cargo pockets with easy to use pull tabs
- 62 sq. in. SOLAS reflective tape (no reflective tape on SO version)
- Large cutaway armholes for maximum range of motion
- Neoprene-lined, fitted, high collar provides comfort, support, impact protection
- 3-belt system for a custom fit

SIZE	S-XXXL
COLORS	Orange MV5600 (shown) Black MV5600 SO
APPROVAL	USCG Type III



MV1254 G3

MV1254 G1

## INDUSTRIAL MESH VEST

MV1254 GS/MV1254 G3

Our Industrial Mesh Flotation Vests offer maximum visibility, mobility and comfort.

### FEATURES

- MV1254 G1 provides 62 sq. in. SOLAS reflective tape on front and back
- MV1254 G3 provides a minimum of 155 sq. in. of reflective material – meets ANSI 107-2010 Class 1\*
- Mesh shoulders offer mobility and comfort
- Large front pockets with Velcro® closure
- Side adjustments for dual sizing
- High waist reduces interference with tools and duty belts
- 50 mph dynamic strength-tested construction

SIZE	S/M, L/XL, XXL/XXXL, 4XL/5XL
COLORS	Orange (MV1254 G1) ANSI Yellow-Green (MV1254 G3)
APPROVAL	USCG Type III
AUTHORIZATION	USCG Boat Forces Authorized for Use (v22)

\*ANSI fabrics are more UV sensitive, and the fabric's visibility can decrease after extended exposure to UV rays.

## 4-POCKET FLOTATION VEST

MV3128 GS

A functional PFD ideal for industrial applications. SOLAS reflective tape on the shoulders offers visibility in dark or stormy conditions.

### FEATURES

- Vest dynamic strength tested to 50 mph
- Two large front cargo pockets with easy to use pull tabs
- 62 sq. in. SOLAS reflective tape
- Large cutaway armholes for maximum range of motion

SIZE	S-3XL/7XL
COLORS	Orange
APPROVAL	USCG Type III
AUTHORIZATION	USCG Boat Forces Authorized for Use (v22)



## ANTI-G GARMENT CAPABILITIES

Mustang Survival has a demonstrated track record of providing Anti-G garments to military users. Our fully integrated multi-disciplinary capabilities are a unique combination of; world class R&D teams, state-of-the-art North American manufacturing facilities and a comprehensive quality assurance system.

Milestones of Mustang's Anti-G experience include:

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### USAF INTEGRATED AIRCREW ENSEMBLE (IAE):

Selected in 2010 as part of the team to design and manufacture the next generation of USAF integrated aircrew flight safety garments.

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### CSU-23P AND CSU-22P ADVANCED TECHNOLOGY ANTI-G SUITS (ATAGS):

Provided engineering and manufacturing development services to qualify the design and is one of two authorized suppliers to the USAF for use in high performance fighters including the F-22 Raptor.

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### AIRCREW INTEGRATED LIFE SUPPORT SYSTEM (AILSS):

Participated in the research and development of "smart" sensory pilot flight equipment for NAVAIR.

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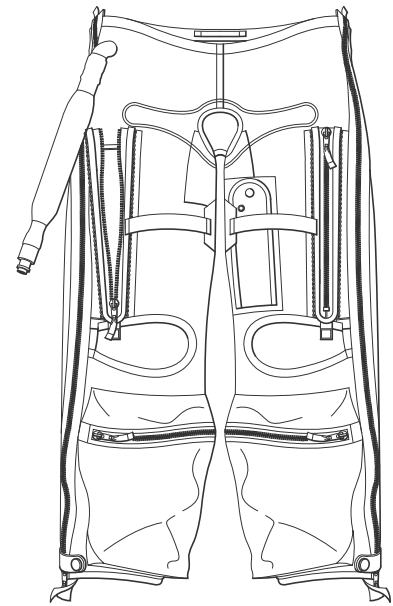
### SUSTAINED TOLERANCE OF INCREASED G (STING)

Participated in the development of an integrated flight system for RCAF F-18 fighter aircraft and is the current supplier of STING Anti-G suits to the RCAF.

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### CSU-13B/P AND CSU-15A/P

One of five qualified suppliers to the USAF and USN of legacy Anti-G garments.



# FLOTATION CLOTHING - AVIATION



## CONSTANT WEAR AVIATION COVERALL

**GSA** MAC-10

The MAC-10 is a constant wear, hypothermia protective garment designed specifically for use by pilots and passengers flying over water in light aircraft, helicopters, long range patrol aircraft and even high performance jets.

### FEATURES

- Nomex® outer shell and inner lining provide protection from flash fire and flame resistance
- Panels at the seat and knees provide superior abrasion resistance
- Neoprene hood is flame retardant and is stored in ankle pocket

SIZE	See size guide online at <a href="http://www.mustangsurvival.com">www.mustangsurvival.com</a>
COLORS	<ul style="list-style-type: none"> <li>■ Orange</li> <li>■ Royal Blue</li> <li>■ Sage Green (shown)</li> </ul>
CLO	Immersed Clo 0.47 (see p. 24)
AUTHORIZATION	USCG ALSE AEL, US Army & USAF Safe-To-Fly



## CONSTANT WEAR AVIATION COVERALL

**GSA** MAC100

The MAC100 is a close fitting, durable garment engineered for maximum mobility during aircraft operations. This one piece flight suit provides protection against fire, radiant heat, cold weather, cold water immersion and drowning.

### FEATURES

- Incorporates our "Total Comfort System" in addition to all the features found on the MAC-10
- Multiple apertures in the foam liner and moisture permeable membrane allow excess body heat and moisture to escape while providing a thermal barrier against fire and cold
- Inflatable thermal mitts and hood included and stored in ankle pockets
- Storage bag included
- Replacement survival mitts, neoprene hood, and a carrying bag are available – see page 10

SIZE	See size guide online at <a href="http://www.mustangsurvival.com">www.mustangsurvival.com</a>
COLORS	<ul style="list-style-type: none"> <li>■ Orange</li> <li>■ Royal Blue</li> <li>■ Sage Green (shown)</li> </ul>
CLO	Immersed Clo 0.5 (see p. 24)
PATENTS	US Patent Nos. 5,267,519 & 5,136,721 CDN Patent Nos. 2,082,793 & 2,062,305
AUTHORIZATION	US Army Safe-To-Fly

## FIRE PROTECTIVE GARMENTS

Fire is a well known threat in marine and aviation environments. Protection against fire requires product solutions that combine flame resistant insulating materials with garment designs that provide adequate coverage. Our fire protective garments are built from high quality materials and are fully tested on burn mannequins in extremely realistic conditions.

Visit us online at [www.mustangsurvival.com](http://www.mustangsurvival.com) to see our full line of flame resistant jackets, coats, bib pants, and dry suits.

Minimum order quantities may apply.



# HYPOTHERMIA PROTECTION

In just 20 minutes, cold water can deprive you of all mental and physical capacities, leading to hypothermia, unconsciousness and even death. Our team of engineers have done extensive research to understand cold-water survival. How long a person can survive in cold water primarily depends on the water's temperature, exposure time, and the thermal insulation of the victim's protective clothing.

To create the most effective protection attainable, we begin by evaluating the clothing's insulation (measured with the unit "Clo").

We determine the rate at which heat is lost from the body, as well as the difference in temperature between the skin and the water. From these values, predictions can be made of the rate at which a person's body temperature will drop in cold water.

Our products are interlined with our exclusive AirSoft™ closed cell foam. This foam not only provides maximum insulation against the cold, it also keeps you afloat to protect you from drowning.



## What is a "Clo" and what does it mean?

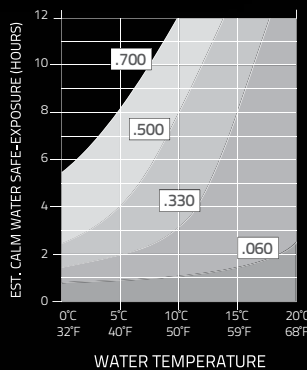
"Clo" is a measurement of the thermal comfort of a suit or device. One Clo represents the thermal comfort of an average person in business clothing in a room temperature indoor environment. Fractions of this thermal comfort are what are perceived when worn in the water. Each of the values are below 1.0 because water transfers heat out of the body 25 times faster than air.

Wearing a Mustang Survival suit will increase cold water survival time exponentially.

PROTECTION	CLO VALUE
NUDE	0.060
CLOTHED	0.100
MJ6224 (p. 19)	0.185
MSF300 (p. 9)	0.580
OC8000 HR (p. 25)	0.960

## SURVIVAL TIMES

This graph indicates random samples of Clo values and the corresponding estimation of survival time in calm water (assuming a thin person with a 5.5°F [3°C] drop in core temperature).





# IMMERSION AND ICE RESCUE



## OCEAN COMMANDER IMMERSION SUIT

**GSA** OC8000 HR

Mustang Survival's Ocean Commander immersion suit is the trusted choice of sailors, offshore boaters, fishermen and other commercial mariners. The OC8000 is 45% lighter than conventional neoprene suits, is easy to get into and so flexible that it's ideal for abandonment procedures.

### FEATURES

- USCG approved immersion suit
- Hood offers a water-tight fit; face seal gives top protection from water and wind exposure
- Full length body zipper gives a water-tight seal
- 5 mm neoprene removable mitts provide warmth and stow in sleeve pockets
- Non-slip durable rubber soles provide traction on wet surfaces
- Storage volume has been reduced by 17% compared to a conventional neoprene suit

SIZES	Universal Adult
COLORS	Orange
APPROVAL	USCG Approved Immersion Suit (complies with SOLAS Chapter III) MED SOLAS
CLO	Immersed Clo 0.960 (see p. 24)
AUTHORIZATION	USCG Boat Forces Authorized for Use



## NEOPRENE COLD WATER IMMERSION SUIT

MIS210 HR / MIS220 HR / MIS230 HR / MIS240 HR

Designed for use in commercial operations, the new immersion suit from Mustang Survival is the ideal ship abandonment suit for workboats, drilling rigs, commercial vessels, and supply ships.

### FEATURES

- Easy to don in stormy conditions
- Five-fingered insulated gloves for warmth and dexterity
- Water-tight face seal
- Includes buddy line and lifting harness
- Wrist and ankle adjustments for a better fit
- 5mm fire retardant neoprene provides flotation and hypothermia protection
- Triple-sealed seam construction
- Non-slip, durable soles

SIZES	Child (MIS210 HR) Adult Small (MIS220 HR) Adult Universal (MIS230 HR) Adult Oversized (MIS240 HR)
COLORS	Red
APPROVAL	USCG Approved Immersion Suit (complies with SOLAS Chapter III) MED SOLAS
AUTHORIZATION	USCG Boat Forces Authorized for Use



## ICE COMMANDER

**GSA** IC9002 02

Ice Commander is the suit of choice for coast guard, search and rescue teams, fire departments and all ice rescue professionals. Its integral chest harness, ice awl pockets, gloves, reinforcements and non-slip soles keep you prepared for any emergency. It's 45% lighter than conventional neoprene suits, thus enabling maximum flexibility and performance.

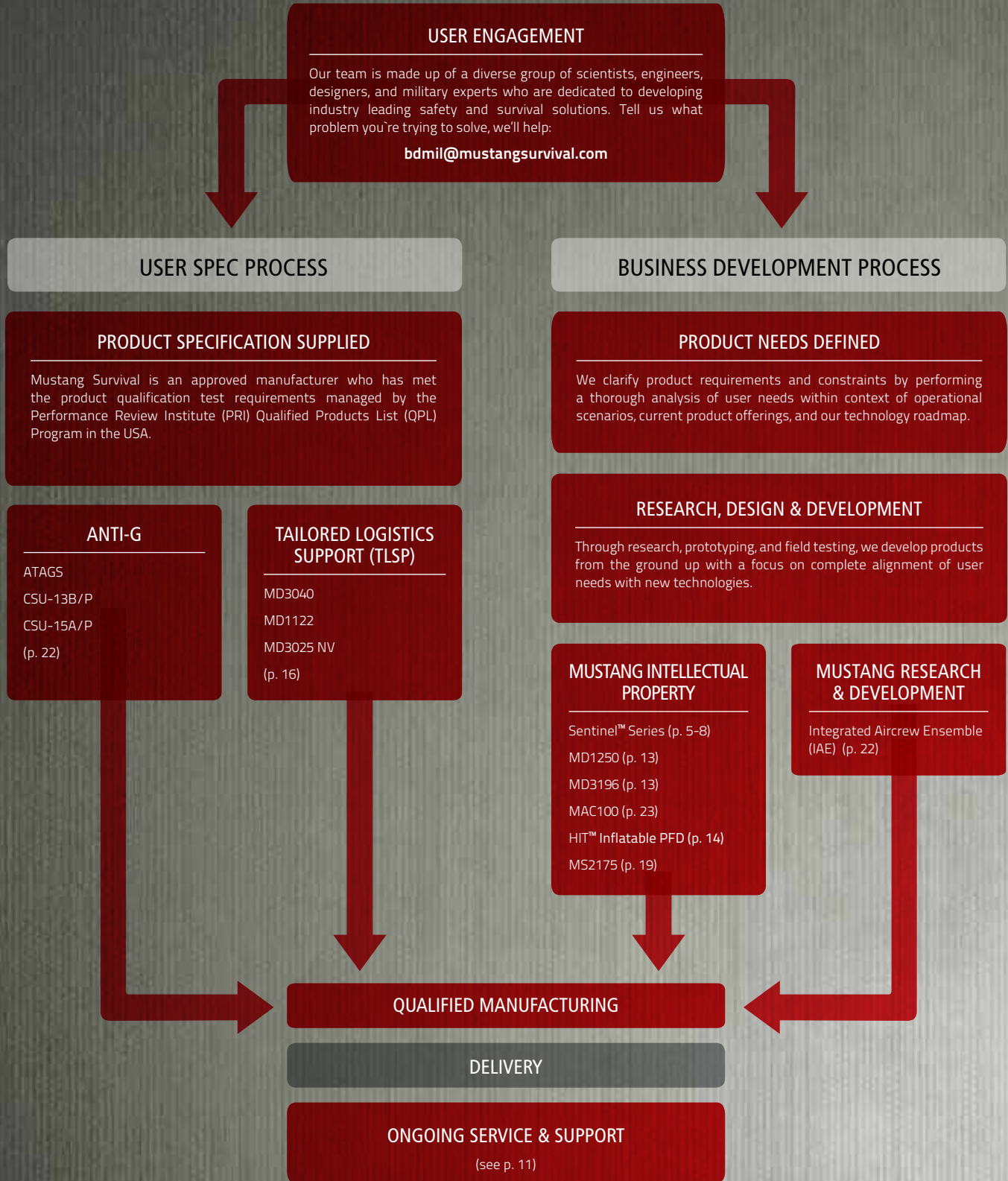
### FEATURES

- Redesigned hood for comfort and water-tight fit; SOLAS reflective tape and Velcro® patch for light attachment
- Flexible full-length zipper provides a water-tight seal
- Detachable inner buoyancy liner constructed of closed-cell AirSoft™ foam for maximum flotation & thermal insulation; liner can be unsnapped & removed for in-the-field repairs and cleaning
- Gloves feature a wrist strap cinch for dexterity; textured palms provide abrasion resistance and better grip
- Integral self-adjusting safety harness

SIZES	Universal Adult
COLORS	Yellow
CLO	Immersed Clo 0.960 (see p. 24)

# COMPLETE SOLUTIONS

Mustang Survival offers a full range of capabilities from qualified manufacturing to industry leading Engineering, Manufacturing & Design (EMD). We are proud of our ability to control the entire product cycle, from initial research and product prototype design, to product testing and final production and quality assurance. Even after our products leave our manufacturing floor, we have a national network of Mustang Survival dealers and Mustang Certified Service Facilities where products can be inspected, maintained and repaired (see page 11).



# DELIVERY

Mustang Survival products are available for military customers through the following channels.  
For any questions about procurement, please contact Mustang Survival Customer Service at:

Toll Free: 1.800.526.0532  
Email: [custserv@mustangsurvival.com](mailto:custserv@mustangsurvival.com)

## TAILORED LOGISTICS SUPPORT PROGRAM (TLSP)

Mustang Survival products are offered through Defense Supply Center Philadelphia's Tailored Logistics Support (TLSP) Program for Special Operational Equipment.

Learn more about the program at:  
[www.troopsupport.dla.mil/CE/specops](http://www.troopsupport.dla.mil/CE/specops)

## DIRECT CONTRACTS

Mustang Survival supplies products through a number of direct contracts including:

- U.S. General Service Administration (GSA)
- U.S. Defense Logistics Agency (DLA)
- U.S. Coast Guard
- U.S. Air Force (Integrated Aircrew Ensemble)
- Department of National Defence and the Canadian Forces (DND/CF)
- Regional Individual Standing Offer (RISO)
- National Individual Standing Offer (NISO)

## INQUIRIES OUTSIDE NORTH AMERICA

For inquiries outside Canada and the United States, please contact Mustang Survival at:

[international@mustangsurvival.com](mailto:international@mustangsurvival.com)



## U.S. GENERAL SERVICES ADMINISTRATION (GSA)

Mustang Survival is a GSA Federal Supply Service contract holder. If TAA compliance is required, you must order the "GS" product version where available.

GSA items in our catalog are marked with this symbol:



GSA products can be ordered through the following distribution channels:

### MUSTANG SURVIVAL GSA DEALERS & DISTRIBUTORS:

ADS [www.adsinc.com](http://www.adsinc.com)

Amron International [www.amronintl.com](http://www.amronintl.com)

Lifesaving Systems Corp [www.lifesavingsystems.com](http://www.lifesavingsystems.com)

### DOD EMALL

The DOD EMALL allows you to shop for and buy Mustang Survival products by paying with either a Government Purchase card or the traditional DODAAC/Fund Cite.

Visit the DOD EMALL at <https://dod-emall.dla.mil>

### MUSTANG SURVIVAL GSA CUSTOMER SERVICE:

Toll Free: 1.800.526.0532

Phone: 360.676.1782

Fax: 360.676.5014

Email: [mustanggsa@mustangsurvival.com](mailto:mustanggsa@mustangsurvival.com)

## WARRANTY

Mustang Survival warrants Mustang products to be free from defects in materials and workmanship for one year (12 months) from date of purchase. Should you have any questions about this warranty or need to arrange a return, please contact us toll free at: 1.800.526.0532.

Mustang Survival has a policy of continuous improvement and reserves the right to modify products or features at any time.



Dedicated to developing superior integrated safety and survival solutions for military personnel facing hazards on sea, air and land, Mustang Survival has earned a global reputation for developing products and technologies that exceed the most demanding customer requirements. Proud of our 47 year heritage of saving lives, Mustang Survival continues to focus research and development activities on the safety and personal protection requirements of tactical operations.

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